

# RECYCLING AND WASTE REDUCTION REPORT

STATE OF MISSOURI

FISCAL YEAR 2003



*Prepared By:*  
*State of Missouri, Office of Administration*  
*In Consultation With The Department of Natural Resources Solid*  
*Waste Management Program and The Environmental Improvement*  
*and Energy Resources Authority*

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# ACKNOWLEDGEMENTS

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*Special thanks to the Missouri Interagency Recycling Committee (MIRC), department recycling coordinators and purchasing staff of the agencies who contributed to this report, for their ongoing efforts to reduce, reuse, recycle, and buy recycled-content products. The Missouri State Recycling Program also wants to thank all state employees who engage in waste reduction and recycling in the work place on a daily basis.*

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**Jacquelyn D. White**  
Commissioner

To the Members of the General Assembly of the State of Missouri

In accordance with RSMo 34.031, we are submitting the Fiscal Year 2003 Recycling and Waste Reduction Report. This report provides information on the State of Missouri's recycling and waste reduction programs for fiscal year 2003.

State law directs state agencies to implement policies for recycling, waste reduction, and procurement of recycled content products. The State Recycling Program, administered by the Office of Administration, Division of Purchasing and Materials Management, is responsible for assisting all state agencies in these areas. The State Recycling Coordinator works cooperatively with the Missouri Interagency Recycling Committee (MIRC) to educate and promote recycling and waste reduction to state employees.

Environmentally sound policies often create economic as well as environmental savings. State government recycling efforts have reduced the amount of waste generated at state facilities and the related costs of waste disposal. A couple of Missouri state government's recycling and waste reduction success stories can be found on pages 7 and 8 of this report.

We appreciate the interest and support of the General Assembly in our recycling efforts.

Sincerely,

Jacquelyn D. White  
Commissioner of Administration

# BACKGROUND

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Legislation involving waste reduction, procurement of recycled products and recycling collection was enacted in late 1989. Chapter 34 of the Missouri Revised Statutes (RSMo), sections 34.031 and 34.032, created the State Recycling Program, and also re-emphasized recycled product procurement by establishing a 10% price preference. The price preference was eliminated in 1995 by House Bill 562.

A comprehensive solid waste law was passed in 1990 to further promote waste reduction, resource recovery and market development. The law included:

- ◆ Development of localized solid waste management plans
- ◆ Creation of a solid waste management fund
- ◆ Landfill bans on yard waste, lead-acid batteries, waste oil, major appliances, whole tires, and small quantities of hazardous waste.

Governor Carnahan announced the creation of the Missouri Interagency Recycling Committee (MIRC) in 1994. The committee, composed of representatives from each of the state departments, meets semi-annually to discuss issues dealing with recycling collection, waste reduction, recycling market conditions and recycled product procurement.

RSMo 34.032.5 mandates that each department and state agency develop and implement, in cooperation with the Office of Administration, a policy for recycling and waste reduction. It further states that recycling programs for agency offices located outside of the City of Jefferson should be coordinated through the Office of Administration or operated locally provided that the Office of Administration reviews and approves such programs.

The Fiscal Year 2003 (FY03) State Recycling and Waste Reduction Report summarizes the accomplishments of state government agencies' in the areas of recycling, waste reduction, and environmentally preferable procurement for the period of July 1, 2002 through June 30, 2003.

The Missouri Revised Statutes may be viewed or downloaded from the Internet at <http://www.moga.state.mo.us/homestat.asp>.

# MISSOURI INTERAGENCY RECYCLING COMMITTEE (MIRC) MEMBERS

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8/18/2004

## RECYCLING FUND

Revenues generated from state recycling efforts fund the costs of the State Recycling Program. Revenues vary from year to year primarily due to market fluctuations. In the past five years, mixed office paper reimbursement rates have ranged from \$0 per ton to \$195 per ton. Market prices for mixed office paper have been low for some time, but prices are now beginning to increase.

Costs associated with the program include recycling bins, printing, promotional items, conferences and training. DPMM purchased a cardboard baler for the Truman (HST) building dock during FY01. It was estimated the HST building generated more than 200 pounds of cardboard per day. The baler not only reduces the waste hauling expense, but also generates revenue from the sale of the cardboard.

Excess revenues are transferred to the Department of Social Services, Division of Family Services' Energy Assistance Program pursuant to RSMo 34.032. The Energy Assistance Program (EAP) provides financial assistance to low-income Missourians for heating their homes during winter months. The State Recycling Program has transferred a total of \$85,000 to the Energy Assistance Program since its inception.

### RECYCLING FUND SUMMARY

<b>Fiscal Year</b>	<b>Revenues</b>	<b>Program Costs</b>	<b>Funds Transferred to EAP</b>
<b>1991</b>	<b>\$10,262</b>	<b>\$4,974</b>	
<b>1992</b>	<b>\$4,920</b>	<b>\$8,053</b>	
<b>1993</b>	<b>\$8,110</b>	<b>\$6,493</b>	
<b>1994</b>	<b>\$9,074</b>	<b>\$7,104</b>	
<b>1995</b>	<b>\$31,148</b>	<b>\$8,397</b>	<b>\$20,000</b>
<b>1996</b>	<b>\$47,638</b>	<b>\$13,123</b>	<b>\$20,000</b>
<b>1997</b>	<b>\$24,038</b>	<b>\$6,299</b>	<b>\$20,000</b>
<b>1998</b>	<b>\$25,801</b>	<b>\$12,712</b>	<b>\$15,000</b>
<b>1999</b>	<b>\$7,804</b>	<b>\$10,442</b>	
<b>2000</b>	<b>\$26,443</b>	<b>\$12,967</b>	
<b>2001</b>	<b>\$27,880</b>	<b>\$19,174</b>	
<b>2002</b>	<b>\$17,176</b>	<b>\$13,875</b>	
<b>2003</b>	<b>\$31,752</b>	<b>\$10,822</b>	<b>\$10,000</b>
<b>Total</b>	<b>\$272,046</b>	<b>\$134,435</b>	<b>\$85,000</b>

## Recycling Stories from MO State Government

These stories represent a sampling of recycling activities throughout state government. It is important to recognize there are many state government employees who reduce waste and recycle every day, thereby saving the state money. These individuals share a common goal with the MO State Recycling Program – to promote the culture of recycling in MO state government.

### Compost Happens at Department of Corrections

In FY03, the Department of Corrections (DOC) received two grants from the Department of Natural Resources to purchase an in-vessel composter. The Ozark Correctional Center (OCC) and the South Central Correctional Center (SCCC) each received a \$125,000 grant to compost food waste from their cafeterias.

### What is in-vessel composting?

In-vessel composting is a type of large scale composting. The principles of in-vessel composting are the same as those for a backyard compost pile. However, due to the volume and type of materials, in-vessel composting is a much more sophisticated form of composting. Materials to be composted are sealed in vessels where temperature and humidity are controlled to provide the beneficial microbes with ideal conditions to accelerate the composting process.

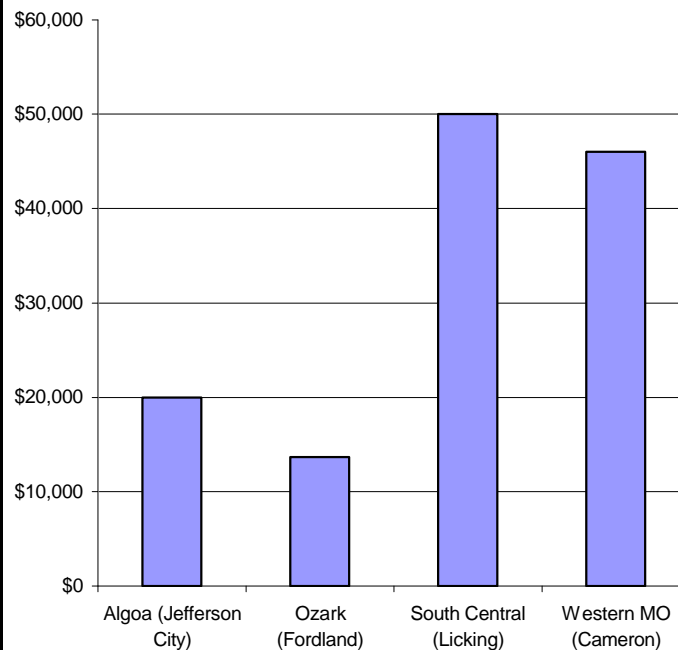
The chart to the right shows annual savings at four correctional facilities. It is interesting to note the two facilities with the greatest annual savings are SCCC and Western Missouri Correctional Center (WMCC/Cameron). It is likely that SCCC's increased savings can be attributed to the in-vessel composter. WMCC has one of the more mature recycling programs within DOC and has had more time to improve upon its recycling processes. In FY01, WMCC was provided financial and technical assistance by the region D Solid Waste Management District to help start their program.

The chart entitled "Recycling Collection – Total Materials Recovered in FY03" on p.9 shows significant increases from FY02 to FY03 in collection of steel, cans, cardboard, and compost. This further supports the fact that investments in the state's recycling infrastructure are showing



In-Vessel Composter SCCC Licking, MO

### Correctional Centers' Estimated Annual Savings on Trash Bill





### A Tale of Three Buildings

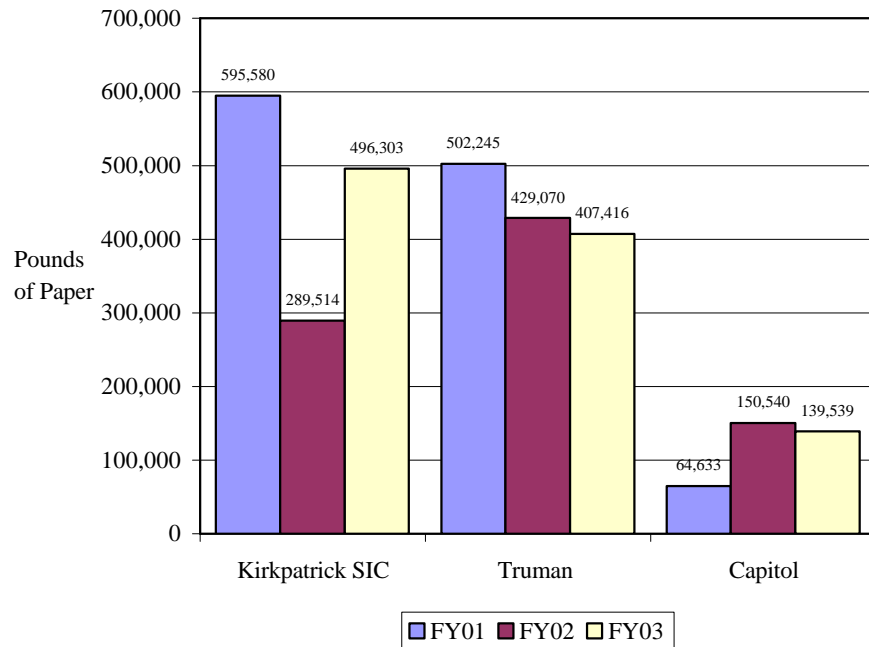
The two charts to the right examine the volume of paper recycled and what it would cost to throw away this paper for three buildings over the course of three years. Data from FY01 thru FY03 was examined for the **James C. Kirkpatrick State Information Center, Harry S Truman State Office Building**, and the **Capitol**.

Please note the chart showing how much it would cost to throw paper away is a conservative estimate for the Capitol because the weight of waste is not measured for this building. Therefore, the cost per ton could not be calculated. Instead, the average “tip fee” of \$33.54 per ton is used. The “tip fee” is what is charged by the landfill to dump each ton of trash and does not include the trash hauler’s expenses such as transportation and labor.

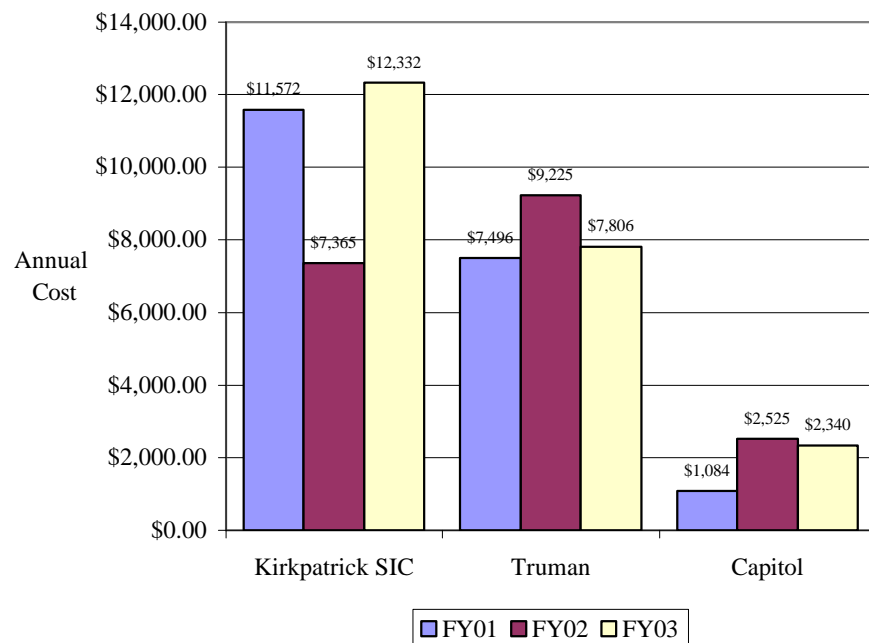
In FY03, the cost per ton for the Truman Building was \$38.32 and the State Information Center was \$49.70. We are able to determine these costs which can vary from year to year because trash is weighed for these two buildings.



**Volume of Paper Recycled FY01 - FY03**



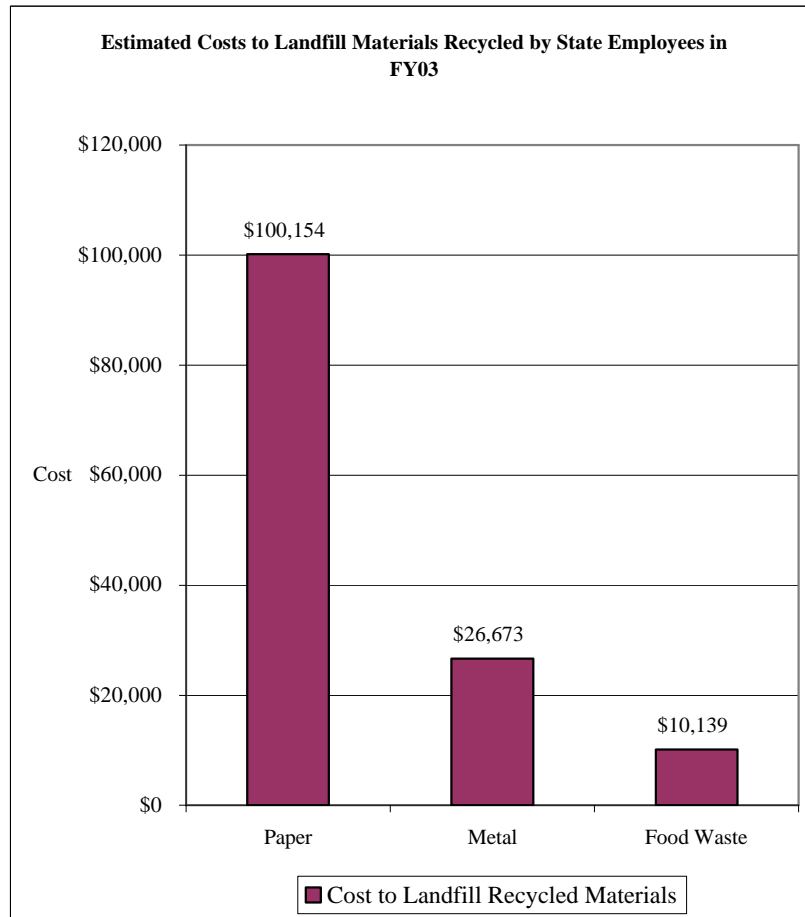
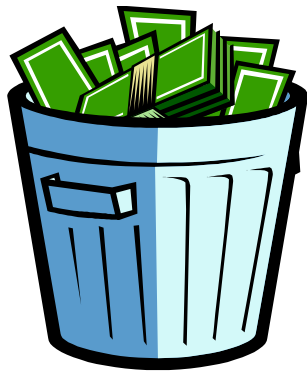
**How Much Would Trash Bill Increase If Paper Were Thrown Away?**



# RECYCLING COLLECTION – Total Materials Recovered In FY03

ITEM	UNIT OF MEASURE	FY00	FY01	FY02	FY03
Aluminum	Lbs.	45,304	144,527	92,879	223,174
Brass	Lbs.		40	20	165
Copper	Lbs.			1,100	12,710
Scrap Metal	Lbs.	199,084	635,394	471,671	626,085
Steel Cans	Lbs.		139,471	95,978	604,498
Tin	Lbs.			117,500	123,880
<b>TOTAL METALS</b>	<b>Lbs.</b>	<b>244,388</b>	<b>919,432</b>	<b>779,148</b>	<b>1,590,512</b>
Books, Bound Publications	Lbs.			607	5,165
Corrugated Cardboard	Lbs.	233,535	758,559	274,924	1,648,174
Magazines	Lbs.	14,860	25,142	12,017	60,804
Shredded Paper	Lbs.				9,838
Mixed Office Paper	Lbs.	2,899,981	4,748,882	4,023,799	4,187,066
Telephone Books	Lbs.	18,095	19,808	31,037	17,321
Newsprint	Lbs.	16,530	45,257	17,969	43,847
<b>TOTAL PAPERS</b>	<b>Lbs.</b>	<b>3,183,001</b>	<b>5,597,748</b>	<b>4,360,353</b>	<b>5,972,215</b>
Antifreeze	Gal.	5,160	980	2,365	3,477
Diesel Fuel	Gal.			737	1,645
Gasoline	Gal.				110
Paint	Gal.	100	1,027	75	528
Oil, Used Cooking	Gal.		14,400	19,690	36,523
Oil, Used Motor	Gal.	51,058	46,430	55,465	56,708
Cleaning Solvent	Gal.		35		60
<b>TOTAL OTHER - gallons</b>	<b>Gal.</b>	<b>56,318</b>	<b>63,823</b>	<b>78,489</b>	<b>99,051</b>
Batteries-Lead Acid	Lbs.				30,160
Food/Agricultural Waste	Lbs.		560	58,080	604,570
Container, Glass	Lbs.	663	1,916	9,741	8,252
Magnetic Media	Lbs.				11,442
Mixed Plastic	Lbs.	883	14,762	6,248	28,747
Styrofoam	Lbs.		231		311
Textiles	Lbs.		1,384	1,500	42,140
<b>TOTAL OTHER - lbs.</b>	<b>Lbs.</b>		<b>2,175</b>	<b>59,580</b>	<b>725,622</b>
Batteries, Lead Acid	Each	2,771	4,128	5,639	6,044
Batteries, Ni-Cd & NiMH	Each	3,841	4,562	9,509	8,172
CD Roms	Each	50		592	1,845
Diskettes	Each	1,700		559	207
Fluorescent Ballasts	Each				53
Fluorescent Lamps	Each	26,691	19,708	25,677	17,705
Oil Filters	Each	900	1,458	7,227	6,494

The chart to the right is a conservative estimate of what it would cost state government to landfill certain materials recycled in FY03. The average tip fee of \$33.54 per ton was used to calculate the cost. The tip fee does not represent the entire cost the State pays; however, it is a good constant for measuring purposes. (see explanation of “tip fee” on p. 8 in “A Tale of Three Buildings”).



### Environmental Benefits of Employees' Recycling Efforts

State employees recycled over 4000 tons of waste in FY03. By using these recovered materials instead of virgin materials, the following estimated savings are being realized by industries utilizing these recovered materials:

- \$1.8 million in energy savings
- 58.61 billion Btu – enough energy to power 5861 homes for a year!
- Greenhouse gases kept out of the environment from the energy savings is 13,368 tons of carbon dioxide.

### Environmentally Preferable Procurement

Environmentally Preferable Procurement (EPP) is an important aspect of the State Recycling Program's mission. EPP could mean purchasing rechargeable batteries as opposed to alkaline batteries. As it relates to recycling, it typically means buying products made from recycled materials. The most important idea of EPP is that purchasing decisions are made with our environment in mind. When utilizing EPP products we can minimize the impact we have on our environment by reducing toxic materials, saving energy, or utilizing recovered materials.

Paper is the most common recycled product purchased by state agencies. In 1990, RSMo 34.032 established attainment goals for state agencies to purchase certain percentages of products made from post-consumer recovered materials. One goal was that 60% of paper products purchased by the State of Missouri contain post-consumer materials by the year 2000. Although this goal was not met in the year 2000, it has been met in all subsequent fiscal years.

The following table examines the State of Missouri's purchases of recycled paper as compared to paper manufactured from virgin materials.

### Purchases of Recycled Paper Compared to Virgin Paper

Product Category	Recycled Paper Purchases	Total Category Purchases (Recycled + Virgin)	Recycled Paper Purchases as a % of Total Purchases in Product Category	Recycled Paper Purchases as a % of Total Purchases in Product Category		
				FY02	FY01	FY00
Fine Paper Products (office, copy, fax)	\$1,777,192	\$2,971,096	60%	66%	60%	30%
Course Paper Products (napkins, towels, tissues)	\$536,693	\$595,760	90%	86%	85%	73%
Forms (continuous & snap out)	\$355,361	\$423,045	84%	60%	35%	16%
Envelopes (Plain or Printed)	\$1,329,288	\$1,358,252	98%	91%	66%	6%
Printing by contractors (40% of total charge)	\$1,181,978	\$2,360,248	50%	90%	61%	10%
Overall Totals	\$5,180,512	\$7,708,401	67%	76%	63%	27%

### Environmental Benefits of Buying Recycled Paper

The State of MO spent \$1,777,192 on recycled “Fine Paper Products” in FY03. A majority of this category is copy paper made with 30% post-consumer recycled paper. Purchasing this type of recycled paper versus virgin paper translates into the following estimated savings:

- 15,995 trees
- 6,666,000 gallons of water
- 33 tons of air pollution
- 15.17 billion Btu – enough energy to power 1517 homes for a year!

## ENVIRONMENTALLY PREFERABLE NON-PAPER PRODUCTS

The table below summarizes FY03 purchases of recycled non-paper products as compared to FY00, FY01, and FY02 purchases. This information is based on the annual report surveys submitted by each department and procurement figures obtained from the Statewide Advantage for Missouri (SAM II) financial system.

NON-PAPER PURCHASES	FY00	FY01	FY02	FY03
Alternate Fuel Vehicles	\$730,790	\$1,210,792	\$777,139	\$658,062
Alternate Fuels	\$9,982	\$49,341	\$44,219	\$55,972
Aluminum Sheeting	\$667	\$577,880	\$355,080	\$476,280
Ammunition (Lead & Brass)		\$52,750	\$54,971	\$81,374
Anti-Freeze	\$5,000	\$742	\$373	\$3,244
Asphalt Products	\$1,929		\$1,502,740	\$29,845
Barrels & Containers	\$2,000	\$8,255	\$4,356	\$6,252
Bituminous Concrete		\$14,509,200	\$12,008,888	\$14,500,000
Building & Construction	\$17		\$21,974	\$27,125
Computer/Copier Supplies	\$2,810	\$2,520	\$11,253	\$15,331
Corrugated Cardboard	\$2,344	\$872,138	\$127,933	\$144,419
Emulsified Asphalt	\$10,000,000	\$12,000,000	\$11,003,652	\$12,000,000
Glass Beads	\$2,875,825	\$9,000,000	\$8,000,000	\$9,000,000
Ink & Toner Cartridges	\$17,992	\$61,424	\$609,777	\$274,990
Janitorial & Cleaning Supplies	\$528,129	\$182,867	\$583,465	\$162,607
Lead Mining Chat		\$150,000	\$225,000	\$150,000
Low Mercury Fluorescent Bulbs	\$102,951	\$134,356	\$118,583	\$124,978
Lumber, Plastic	\$5,283	\$12,809	\$14,908	\$9,548
Office Supplies	\$230,138	\$465,402	\$314,646	\$365,523
Paint	\$32,000	\$5,516,480	\$5,506,056	\$6,053,665
Pallets & Skids	\$18,766		\$479	\$1,450
Park & Playground Equipment	\$6,904			\$18,349
Petroleum Products	\$12,629		\$26,089	\$31,066
Promotional Supplies	\$50,563	\$54,492	\$31,108	\$377
Rechargeable Batteries		\$56	\$127,728	\$78,925
Remanufactured Office Machines/Furniture	\$11,987	\$2,682	\$18,142	\$420
Re-refined Oil	\$5,000	\$5,075	\$5,000	\$5,000
Road Material (Not Asphalt)	\$8,125,000		\$100,270	\$470
Signs	\$3,001,500	\$3,006,675	\$3,000,000	\$3,000,011
Soy Ink		\$1,000	\$965	\$6,253
Tires, Re-Tread	\$63,230	\$78,686	\$100,000	\$75,110
Traffic Cones		\$100	\$53,000	
Vehicle Maintenance Supplies	\$2,865	\$15,711	\$10,727	\$14,725
Water Based Glue		\$60,000	\$30,966	\$47,907
Other				\$81
<b>TOTAL PURCHASES</b>	<b>\$26,149,283</b>	<b>\$48,363,933</b>	<b>\$44,789,488</b>	<b>\$47,419,359</b>

## STATE DEPARTMENT PROCUREMENT AND RECYCLING EFFORTS

Listed below are figures for FY03 recycling collection and environmentally preferable (EP) purchases as reported by each department.

### Jefferson City Area Collection

Collection amounts for paper and cardboard for Jefferson City area state agencies are included on page 9 as a part of the statewide recycling collection totals, but are not included in the individual department totals. This information is provided by the recycler as a requirement of the recycling services contract. The total collection for Jefferson City area state offices are as follows:

Mixed Office Paper      2,321,535 lbs. or 1161 Tons  
Corrugated Cardboard      19,572 lbs. or 10 Tons

### **Office of the Governor**

#### Materials Recovered

Included in Jefferson City Totals

#### Environmentally Preferable Purchases

Fine Paper Products      \$4,925

### **Office of the Secretary of State**

#### Materials Recovered

Records Management Records (lbs.)      492,000

#### Environmentally Preferable Purchases

### **Office of the State Treasurer**

#### Materials Recovered

Included in Jefferson City Totals

#### Environmentally Preferable Purchases

Alternate Fuel	\$324
Corrugated Cardboard	240
Envelopes	9,399
Fine Paper Products	3,793
Office Supplies	3,386
<b>TOTAL</b>	<b>\$17,142</b>

### **Supreme Court**

#### Materials Recovered

Aluminum Cans (lbs.)	220
Ink & Toner Cartridges (ea.)	80

#### Environmentally Preferable Purchases

Corrugated Cardboard	\$690
Course Paper Products	4,000
Envelopes	7,400
Fine Paper Products	14,000
Forms-Continuous & Snap Out	3,200
Janitorial/Cleaning Supplies	1,240
Office Supplies	4,200
Paint	490
Printing by Contractors	8,800
Rechargeable Batteries	133
Waterbased Glue	490
<b>TOTAL</b>	<b>\$44,643</b>

**MO Vocational Enterprises/Department of Corrections****Materials Recovered**

Aluminum Scrap (lbs.)	81,060
Corrugated Cardboard (lbs.)	960
Ink & Toner Cartridges (ea.)	5,000
Pallets (ea.)	7,050
Scrap Metal (lbs.)	230,220
Waste Tires (ea.)	637,919

**Environmentally Preferable Purchases**

Aluminum Sheeting	\$476,280
Corrugated Cardboard	110,982
Envelopes	361,298
Fine Paper Products	67,862
Paint	52,775
Pallets & Skids	1,378
Waterbased Glue	45,919
Other / Trash Bag	472,611
<b>TOTAL</b>	<b>\$1,589,105</b>

**Office of Administration****Materials Recovered**

Aluminum Cans (lbs.)	175
Batteries-Lead Acid (lbs)	30,000
Batteries-Lead Acid (ea.)	800
Batteries-NiCD & NIMH (ea.)	203
CD ROMs (ea.)	98
Diskettes (ea.)	3
Ink & Toner Cartridges (ea.)	497
Oil, Motor (gals.)	1,500
Pallets (ea.)	1,353
Plastic (lbs.)	25
Styrofoam (lbs.)	1
Telephone Books (lbs.)	208
Waste Tires (lbs.)	60,000
Other/Magnetic Media (lbs.)	11,442

**Environmentally Preferable Purchases**

Alternate Fuel	\$8,968
Barrels & Containers	3,852
Corrugated Cardboard	19,774
Course Paper Products	1,998
Envelopes	3,606
Fine Paper Products	364,477
Forms-Continuous & Snap Out	173,712
Ink & Toner Cartridges	633
Janitorial/Cleaning Supplies	494
Low-Mercury Fluorescent Bulbs	114
Office Supplies	1,554
Printing by Contractors	151,753
Promotional Items	377
Rechargeable Batteries	40,290
Soy Ink	6,253
<b>TOTAL</b>	<b>\$777,855</b>

**Dept. of Agriculture****Materials Recovered**

Aluminum Cans (lbs.)	65
Food / Agricultural Waste (lbs.)	300,000
Corrugated Cardboard (lbs.)	15
Ink & Toner Cartridges (ea.)	104
Magazines & Catalogs (lbs.)	120
Mixed Office Paper (lbs.)	400
Newsprint (lbs.)	60
Oil, Motor (gals.)	150
Pallets (ea.)	60
Telephone Books (lbs.)	30
Waste Tires (ea.)	200

**Environmentally Preferable Purchases**

Envelopes	\$8,192
Fine Paper Products	10,873
Forms, Continuous	82
Ink & Toner Cartridges	1433
Janitorial/Cleaning Supplies	360
Office Supplies	735
<b>TOTAL</b>	<b>\$21,675</b>

**Dept. of Economic Development****Materials Recovered**

Included in Jefferson City Totals

**Environmentally Preferable Purchases**

## **Department of Corrections**

### **Materials Recovered**

Aluminum Cans (lbs.)	84,819
Antifreeze (gals.)	349
Batteries (Lead Acid) LBS.	160
Batteries-NiCD & NIMH (ea.)	2,140
Books, Bound Publications (ea.)	480
CD ROMs (ea.)	250
Food / Agricultural Waste (lbs.)	302,000
Corrugated Cardboard (lbs.)	1,446,373
Diskettes (ea.)	4
Fluorescent Lamps (ea.)	3,124
Ink & Toner Cartridges (ea.)	1,494
Magazines & Catalogs (lbs.)	30,600
Mixed Office Paper (lbs.)	456,265
Newsprint (lbs.)	21,084
Oil Filters (ea.)	435
Oil, Motor (gals.)	3,355
Oil, Used Cooking (gals.)	30,782
Pallets (ea.)	1,754
Plastic (lbs.)	27,479
Scrap Metal (lbs.)	54,075
Steel Cans (lbs.)	595,697
Styrofoam (lbs.)	48
Telephone Books (lbs.)	3,530
Textiles (lbs.)	42,000
Waste Tires (ea.)	620
Other, Brass (lbs.)	165
Other, Tin (lbs.)	123,880
Other, Copper (lbs.)	12,710
Other/Grease Trap (gals.)	4,000

### **Environmentally Preferable Purchases**

Alternate Fuel	\$9,502
Ammunition-Lead	26,051
Antifreeze	3,194
Asphalt Products	2,978
Barrels & Containers	300
Building/Construction	27,125
Computer/Copy Supplies	5,909
Corrugated Cardboard	12,055
Course Paper Products	180,146
Envelopes	12,014
Fine Paper Products	102,406
Forms-Continuous & Snap Out	133,611
Ink & Toner Cartridges	17,945
Janitorial/Cleaning Supplies	122,399
Low-Mercury Fluorescent Bulbs	25,806
Lumber, Plastic	8,898
Office Supplies	66,124
Paint	27,589
Park/Playground Equipment	18,349
Petroleum Products	30,766
Printing by Contractors	3,114
Rechargeable Batteries	37,305
Re-Manuf Office Machines/Furr	420
Road material (not asphalt)	470
Vehicle Maintenance Supplies	11,365
Waterbased Glue	120
Other / Oil	300
Other / Wiper Fluid	60
Other / Urea (for ice melt)	300
Other / Laundry Detergent	3,816
Other / Trash Bags	4,649
Other / Brown Bags	691
<b>TOTAL</b>	<b>\$895,777</b>

## **Dept. of Elementary & Secondary Education**

### **Materials Recovered**

**Included in Jefferson City Totals**

### **Environmentally Preferable Purchases**

Asphalt Products	\$24,708
Coarse Paper Products	51,881
Envelopes	60,376
Fine Paper Products	42,447
Forms-Continuous & Snap Out	12,365
Ink & Toner Cartridges	2,198
Rechargeable Batteries	360
Office Supplies	11,312
Printing by Contractors	67,745
<b>TOTAL</b>	<b>\$248,684</b>



**Dept. of Conservation****Materials Recovered**

Aluminum Cans (lbs.)	2,337
Antifreeze (gals.)	160
Batteries-Lead Acid (ea.)	146
Batteries-NiCD & NIMH (ea.)	213
Books, Bound Publications (ea.)	10
Cleaning Solvent (gals.)	60
Corrugated Cardboard (lbs.)	26,490
Fluorescent Ballast (ea.)	53
Fluorescent Lamps (ea.)	1,711
Glass (lbs.)	200
Ink & Toner Cartridges (ea.)	91
Magazines & Catalogs (lbs.)	7,450
Mixed Office Paper (lbs.)	51,916
Newsprint (lbs.)	1,864
Oil Filters (ea.)	300
Oil, Motor (gals.)	7,485
Paint (gals.)	5
Pallets (ea.)	57
Plastic (lbs.)	210
Scrap Metal (lbs.)	2,500
Steel Cans (lbs.)	30
Styrofoam (lbs.)	50
Telephone Books (lbs.)	840
Tyvek Envelopes (ea.)	250
Waste Tires (ea.)	1,157

**Environmentally Preferable Purchases**

Alternate Fuel	\$1,700
Alternate Fuel Vehicles	416,387
Ammunition-Lead	4,116
Fine Paper Products	718,702
Low-Mercury Fluor. Bulbs	5,609
Office Supplies	657
Printing by Contractors	719,779
<b>TOTAL</b>	<b>\$1,866,950</b>

**Dept. of Health & Senior Services****Materials Recovered**

Corrugated Cardboard (lbs.)	1,600
Pallets (ea.)	100
Telephone Books (lbs.)	2,400
Other, Shred (lbs.)	8,751

**Environmentally Preferable Purchases**

Coarse Paper Products	\$14,354
Fine Paper Products	59,482
Low-Mercury Fluorescent Bulb	148
Office Supplies	11,628
Tires-Retread	110
<b>TOTAL</b>	<b>\$85,722</b>

**Dept. of Insurance****Materials Recovered**

Ink & Toner Cartridges (ea.)	83
Telephone Books (lbs.)	160

**Environmentally Preferable Purchases**

Course Paper Products	\$918
Envelopes	7,815
Fine Paper Products	7,996
Ink & Toner Cartridges	6,049
Office Supplies	3,564
Printing by Contractors	25,378
<b>TOTAL</b>	<b>\$51,720</b>

**Dept. of Labor & Industrial Relations****Materials Recovered**

Included in Jefferson City Totals

**Environmentally Preferable Purchases**

### ***Dept. of Mental Health***

#### **Materials Recovered**

Aluminum Cans (lbs.)	18,439
Antifreeze (gals.)	206
Batteries-Lead Acid (ea.)	82
Batteries-NiCD & NIMH (ea.)	30
Books, Bound Publications (ea.)	4,625
CD ROMs (ea.)	7
Corrugated Cardboard (lbs.)	83,010
Diesel Fuel (gals.)	1,000
Fluorescent Lamps (ea.)	3,670
Ink & Toner Cartridges (ea.)	450
Magazines & Catalogs (lbs.)	14,122
Mixed Office Paper (lbs.)	136,963
Newsprint (lbs.)	10,152
Oil Filters (ea.)	31
Oil, Motor (gals.)	1,258
Oil, Used Cooking (gals.)	1,023
Pallets (ea.)	1,135
Plastic (lbs.)	372
Scrap Metal (lbs.)	5,680
Steel Cans (lbs.)	8,469
Styrofoam (lbs.)	75
Telephone Books (lbs.)	2,470
Waste Tires (ea.)	487
Other, Shredded Paper (lbs.)	1,087

#### **Environmentally Preferable Purchases**

Alternate Fuel	\$6,083
Corrugated Cardboard	266
Course Paper Products	147,621
Envelopes	6,547
Fine Paper Products	55,037
Forms-Continuous & Snap Out	12,655
Ink & Toner Cartridges	5,957
Janitorial/Cleaning Supplies	25,639
Low-Mercury Fluorescent Bulbs	1,422
Lumber, Plastic	650
Office Supplies	51,017
Pallets & Skids	72
Printing by Contractors	1,557
Rechargeable Batteries	752
Signs	11
Other, Trash Bags	447
<b>TOTAL</b>	<b>\$315,733</b>

### ***Dept. of Revenue***

#### **Materials Recovered**

Batteries-Lead Acid (ea.)	900
Corrugated Cardboard (lbs.)	2,000
Ink & Toner Cartridges (ea.)	600
Mixed Office Paper (lbs.)	417,970
Pallets (ea.)	600

#### **Environmentally Preferable Purchases**

Alternate Fuel	\$1,790
Envelopes	92,148
Fine Paper Products	6,950
Forms-Continuous & Snap Out	790
Office Supplies	15,176
Printing by Contractors	128,304
<b>TOTAL</b>	<b>\$245,158</b>

#### **Did You Know?**

On average, in FY03 each state employee recycled:

**2 pounds of aluminum cans**

**92 pounds of paper**

### ***Dept. of Natural Resources***

#### **Materials Recovered**

Aluminum Cans (lbs.)	1,874
Antifreeze (gals.)	100
Batteries-Lead Acid (ea.)	400
Batteries-NiCD & NIMH (ea.)	30
Books, Bound Publications (ea.)	50
Food / Agricultural Waste (lbs.)	2,570
Corrugated Cardboard (lbs.)	27,980
Diskettes (ea.)	200
Fluorescent Lamps (ea.)	823
Glass (lbs.)	8,052
Ink & Toner Cartridges (ea.)	118
Magazines & Catalogs (lbs.)	480
Mixed Office Paper (lbs.)	33,627
Newsprint (lbs.)	2,860
Oil, Motor (gals.)	500
Paint (gals.)	3
Pallets (ea.)	6
Plastic (lbs.)	661
Scrap Metal (lbs.)	10
Steel Cans (lbs.)	302
Styrofoam (lbs.)	137
Telephone Books (lbs.)	1,792
Textiles (lbs.)	140
Tyvek Envelopes (ea.)	384
Videocassette Tapes (ea.)	40

#### **Environmentally Preferable Purchases**

Alternate Fuel	\$27,441
Alternate Fuel Vehicles	19,164
Asphalt Products	2,159
Computer/Copy Supplies	4,222
Corrugated Cardboard	198
Course Paper Products	3,828
Envelopes	19,087
Fine Paper Products	33,071
Forms-Continuous & Snap Out	14,527
Ink & Toner Cartridges	1,260
Low-Mercury Fluorescent Bulbs	675
Office Supplies	23,647
Printing by Contractors	230
Rechargeable Batteries	145
Other	16
<b>TOTAL</b>	<b>\$149,670</b>

### ***Dept. of Social Services***

#### **Materials Recovered**

Aluminum Cans (lbs.)	1,532
Corrugated Cardboard (lbs.)	158
Fluorescent Lamps (ea.)	740
Ink & Toner Cartridges (ea.)	3,713
Magazines & Catalogs (lbs.)	282
Newsprint (lbs.)	7,827
Mixed Office Paper (lbs.)	65,331
Paint (gals.)	20
Telephone Books (lbs.)	1,957

#### **Environmentally Preferable Purchases**

Computer/Copy Supplies	\$5,200
Course Paper Products	54,428
Envelopes	708,335
Fine Paper Products	202,121
Forms-Continuous & Snap Out	1,096
Ink & Toner Cartridges	233,023
Janitorial/Cleaning Supplies	2,872
Low-Mercury Fluorescent Bulbs	844
Office Supplies	7,523
Paint	200
Printing by Contractors	140
Rechargeable Batteries	300
Vehicle Maintenance Supplies	3,000
<b>TOTAL</b>	<b>\$1,219,082</b>

**Dept. of Public Safety****Materials Recovered**

Aluminum Cans (lbs.)	1,119
Antifreeze (gals.)	2,412
Batteries-Lead Acid (ea.)	216
Batteries-NiCD & NIMH (ea.)	3,025
CD ROMs (ea.)	1,490
Corrugated Cardboard (lbs.)	40,016
Diesel Fuel (gals.)	645
Fluorescent Lamps (ea.)	2,637
Gasoline (gals.)	110
Ink & Toner Cartridges (ea.)	607
Magazines & Catalogs (lbs.)	7,750
Mixed Office Paper (lbs.)	12,015
Oil Filters (ea.)	4,705
Oil, Motor (gals.)	7,460
Oil, Used Cooking (gals.)	718
Pallets (ea.)	1,362
Scrap Metal (lbs.)	183,600
Telephone Books (lbs.)	610
Waste Tires (ea.)	3,500

**Environmentally Preferable Purchases**

Alternate Fuel	\$164
Alternate Fuel Vehicles	222,511
Ammunition-Lead	50,457
Antifreeze	50
Calendars	324
Corrugated Cardboard	214
Course Paper Products	55,640
Envelopes	6,187
Fine Paper Products	73,949
Forms-Continuous & Snap Out	3,323
Ink & Toner Cartridges	6,325
Janitorial/Cleaning Supplies	16,005
Low-Mercury Fluorescent Bulbs	9,542
Lumber, Plastic	3,570
Office Supplies	14,768
Paint	590
Printing by Contractors	59,528
Re-Manuf Office Machines/Furr	510
Other / Ammunition Brass	750
Other / Rubber Tree Rings	65
Other / Trash Bags	3,888
<b>TOTAL</b>	<b>\$528,360</b>

**Dept. of Transportation****Materials Recovered**

Aluminum Cans (lbs.)	1,534
Antifreeze (gals.)	250
Batteries-Lead Acid (ea.)	3,500
Batteries-NiCD & NIMH (ea.)	2,531
Fluorescent Lamps (ea.)	5,000
Ink & Toner Cartridges (ea.)	1,325
Mixed Office Paper (lbs.)	199,044
Oil Filters (ea.)	1,023
Oil, Motor (gals.)	35,000
Paint (gals.)	500
Pallets (ea.)	3,600
Scrap Metal (lbs.)	150,000
Telephone Books (lbs.)	3,324
Waste Tires (ea.)	65,245
Other/Aluminum (lbs.)	30,000

**Environmentally Preferable Purchases**

Barrels & Containers	\$2,100
Bituminous Concrete	14,500,000
Course Paper Products	21,879
Emulsified Asphalt	12,000,000
Envelopes	26,884
Fine Paper Products	9,101
Glass Beads	9,000,000
Ink & Toner Cartridges	1,600
Low-Mercury Fluorescent Bulbs	90,000
Office Supplies	165,000
Paint	5,500,000
Printing by Contractors	15,650
Re-refined Oil	5,000
Signs	3,000,000
Tires, Retread	75,000
Other / Lead Mining Chat	150,000
<b>TOTAL</b>	<b>\$44,562,214</b>